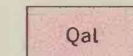
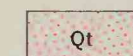


EXPLANATION

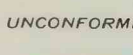
SEDIMENTARY ROCKS



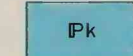
Alluvium
Stream gravels, sand, and clay



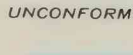
Alluvial-terrace deposits
Stream gravels, sand and clay at higher levels along valley edges



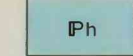
UNCONFORMITY



Krebs Group
Black to gray fissile shale with a few siltstone and brown sandstone beds, sparse clay ironstone, black fossiliferous limestone, and thin coal partings



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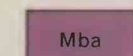
Hale Formation
Brown to black carbonaceous sandstone, dark shale, and fossiliferous bituminous limestone



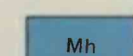
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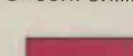
Fayetteville Shale
Black, bluish-gray, and greenish fissile or limy shale; subordinate very fossiliferous limestone



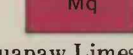
Batesville Sandstone
Gray crinoidal limestone, commonly oolitic; buff sandstone and green shale



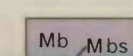
Hindsville Limestone
Gray crinoidal limestone, locally oolitic; sparse sandstone and green shale



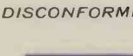
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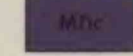
Quapaw Limestone
Gray crinoidal limestone, exposed at one locality along Spring River southeast of Quapaw



Boone Formation
Mb, crinoidal and fine-grained limestone with oolitic and glauconitic beds; much bedded and nodular chert and cotton rock
Mbs, St. Joe Limestone Member, gray to pink crinoidal limestone with shaly layers



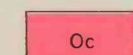
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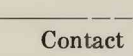
Chattanooga Shale
Black fissile shale, thin coarse-grained white sandstone at base, locally



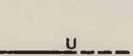
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Cotter Dolomite
Gray to brown dolomite, sparingly sandy, minor chert



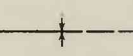
Contact
Dashed where approximately located



Fault
Dashed where inferred; dotted where concealed. U, upthrown side; D, downthrown side



Anticline
Showing crestline; dashed where inferred



Syncline
Showing troughline; dashed where inferred



Monocline
Showing trace of axis

Area submerged by Lake O' the Cherokees

GEOLOGIC MAP OF THE WYANDOTTE QUADRANGLE, OKLAHOMA, MISSOURI, AND KANSAS

SCALE 1:125 000

2 0 2 4 6 8 10 MILES

2 0 2 4 6 8 10 KILOMETERS

CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

Geology by C.E. Siebenthal and R.D. Mesler, 1906 and 1907,
and by R.P. Fischer, E.T. McKnight, and Mackenzie Gordon, Jr.,
1934-41. Axis of Miami trough modified from Weldman (1932)